



FELLOW EMPLOYEES OF W. C. GOLDEN, ENRICHED URANIUM RECOVERY, WHO WILL RETIRE next Monday, November 30, assembled early one morning recently to extend their best wishes and to present him with a wrist watch as a "going-away" present. Golden is second from left in front row in dark shirt. At his right is his supervisor, Process Foreman Herman Butler and at Golden's left in white shirt is Process General Foreman Spence Wallace.

December 4 Deadline For Awards Selection

15 Attractive Items Being Offered Y-12ers

Selection cards by which Union Carbide Nuclear Company employees in the Y-12 Plant Area may choose their individual safety awards for helping the plant establish its 25th Union Carbide Corporation Safety Period are being distributed throughout the plant this week. Early signing and return of the cards is urged by the Safety Department so that the requested items can be ordered and delivered.

A deadline of Friday, December 4, has been set for return of the selection cards to the Safety Department.

In addition to making a choice for one of the 15 attractive items offered as individual safety awards, employees are urged to clearly designate the portal at which they will want to pick up their awards when they are delivered. There is a space on the selection card for this designation and delays can be avoided in delivery if the space is properly filled out.

The individual safety award items will be on display at the Y-12 Cafeteria and Dispensary through December 4 to help Y-12ers make up their minds as to which item they desire.

Engineering Division Sets Holiday Dance December 11

The annual Engineering Division pre-Christmas dance will be held on Friday night December 11, at the R.V.A. Club, the old Paragon ballroom. Festivities will begin at 9 p.m. with music for dancing being provided by the Red Miller orchestra. In addition to dancing, games and contests will be staged with prizes awarded winners.

Fran Willie is in charge of arrangements. Tickets may be obtained from T. N. Burklow, J. J. Turner, Peggy Silver and Jo Ann Kincaid, Bldg. 9739; J. A. Stanton, J. H. Boyd and G. J. Angele, Bldg. 9723-11A; Eleanor Bennett, Bldg. 9766; Lettie Ault, Bldg. 9215; George Drevik, Bldg. 9204-4; and J. J. Kurtz, Bldg. 9201-5. Tickets will be \$1.50 per person.

WETTEST PLACE IN WORLD

The wettest place in the entire world is Cherrapunji, India. In the Khasi Mountains, the yearly rainfall there averages 450 inches.



"I WAS ALL SHOOK UP," said W. C. Golden, center, as he received a handsome wrist watch as a retirement gift from fellow employees. The presentation was made by Process Foreman Herman Butler, left, Golden's immediate supervisor; as Process General Foreman Spence Wallace, right, looks on.

William Charlie Golden Retires November 30; Is 12th Of Year And 59th Since May 4, 1947

Fellow Employees Get Up Early In Morning To Offer Best Wishes And Present Wrist Watch

Fellow employees of William Charlie Golden, chemical operator in the Y-12 Enriched Uranium Recovery Department of the Chemical Operations Division, really did some early rising recently to wish him lots of luck in the future and present him with a "going-away" present.

Golden will retire as a Y-12er next Monday, November 30. He is the 12th Y-12er to retire this year and the 59th since Carbide took over operations of the Y-12 Plant back on May 4, 1947.

Meet Before Working Hours

The shift schedule of the group with which Golden has been working called for them to go to work at 7 a.m. on the morning the brief retirement ceremony was set for him. So the group assembled at 6:45 a.m. to allow Herman Butler, Process Foreman and Golden's supervisor, to praise the retiring Y-12er for his good work with the department and present him with a wrist watch. Process General Foreman Spence Wallace also spoke briefly.

"I'm all shook up," Golden said of the watch presentation, which came as an absolute surprise to him. He thanked the group members for their thoughtfulness and cooperation.

Will Live At Clinton

Golden plans to remain at his Clinton home with his wife after his retirement.

The latest Y-12 retiree was born in Andersonville, Tenn., on the shores of Norris Lake and has lived in East Tennessee all of his life. He came to work in Y-12 back on October 6, 1944, as a fireman. He resigned on March 14, 1945, but was rehired two

months later, on June 29. That second period of employment, still with the Fire Department, lasted until January 3, 1950, when he left under a reduction in force. That absence lasted only six days, as he was recalled to work on January 9 in the Chemical Division and has remained as a Y-12er ever since.

British Scientists To Talk At Seminar On December 2

R. S. Street, from Sheffield University, England, will speak at a special seminar scheduled by the Physics Division of Oak Ridge National Laboratory on Wednesday, December 2. The session will be at 9 a.m. in the auditorium of Bldg. 4500, ORNL. The seminar talk subject will be "Antiferromagnetism in Metals and Alloys."

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated

11 Days Or
316,000 Man-Hours
(Unofficial Estimate)

Without A Disabling
Injury

Through November 22

Phone 7755

For Daily Report
On Accident-Free Hours

Y-12 Christmas Dance, Company Parties For Children Are Set

Poppa John Gordy To Play For December 18 Hop; Youngsters To Romp December 21, 22

The Spirit of Christmas will begin its reign over Y-12ers and their families from just about now through the sacred December 25 date—and in the pre-holiday days there will be jollification and gaiety for both adult employees and their youngsters—particularly those not more than 10 years of age.

The annual Y-12 Christmas Dance-Party for grown-up Y-12ers has been slated for Friday night, December 18, at the Oak Terrace. Then the annual Christmas Parties for the youngsters will be held on Monday and Tuesday, December 21 and 22 at the Oak Ridge High School and the Gamble Valley School.

For the Christmas Dance-Party, by popular demand the toe-tickling Dixielander Orchestra from Nashville, led by Poppa John Gordy, again will return to produce the music and entertainment. The Dance-Party will be from 9 p.m. to 1 a.m. Tickets soon will be on sale throughout the plant for \$1.50 per person.

Then on the following Monday and Tuesday it will be fun-time for the kiddies. Seven big parties, crammed with entertainment, will be presented. On both Monday and Tuesday at 10 a.m., 1 p.m., and 3 p.m. the high school auditorium will be packed with cheering small fry and the scene will be repeated at 11 a.m. Monday at the Gamble Valley School.

An application blank for tickets to the Children's Christmas Parties is being published on Page Four of The Bulletin this week and for the next two weeks, Wednesdays December 2 and 9. This will provide Y-12 parents ample opportunity to obtain their tickets for children from two to 10 years old, inclusive.

Extreme care is urged of parents in filling out the applications. Names should be clearly written, preferably printed, with the home addresses correctly given. After the applications are received, the tickets requested will be mailed to the home address of the family. It also is important to correctly designate the preference of which of the seven parties parents want tickets for — and there is a clearly defined space on the blank to fill this purpose. Different tickets are issued for each party, which makes it important that a first and second choice also be designated.

Exactly the same program will be presented at all the Children's Christmas Parties. Movie cartoons will be shown and each young guest will receive a gift stocking stuffed with toys and other articles. Santa Claus will greet each of the youngsters at the parties and a special entertainment act will be presented.

UCNC To Sponsor Christmas Radio Programs On WATO

Union Carbide Nuclear Company again will sponsor a series of Christmas broadcasts over Oak Ridge Radio Station WATO. The series this year will be called "Christmas Meditations" and will begin Monday, November 30, with programs being presented from 4:45 p.m. to 5 p.m. Mondays through Saturdays until Christmas Day, December 25 by ministers who are members of the Oak Ridge Ministerial Alliance.

The speakers for the first week of "Christmas Meditations" will be:

Monday, November 30, the Rev. Alvin B. Amos, First Christian Church.

Tuesday, December 1, the Rev. Gene Bergstresser, First Cumberland Presbyterian Church.

Wednesday, December 2, Dr. Herbert Hart, Kern Memorial Methodist Church.

Thursday, December 3, the Rev. James Crumley, Grace Lutheran Church.

Friday, December 4, the Rev. J. V. Kimpel, Faith Lutheran Church.

Saturday, December 5, the Rev. Gordon Bradford, Covenant Presbyterian Church.

PILGRIMS PLAY CARDS

Despite their reported aversion to gambling, the Pilgrims are said to have introduced the first card game in America. It was called "All Fours" and was a polite family game, still played in some parts of the country.

U.S. RAISES MOST COTTON

The United States raises more than 40 per cent of the entire cotton supply of the world.

Hospitalization Coverage For Children Reaching 19 Years Old May Be Continued

Y-12ers with Hospitalization and Surgical Plan coverage that also provides similar protection for their children under 19 years of age are reminded that coverage for such children automatically ends when—

1. The child reaches 19 years of age, or
2. The child marries, or
3. The child ceases to be dependent on the parent.

However, coverage for such children may be continued for them under a contract of their own. This may be done by obtaining a "dependent application"

card from the Benefit Plans Office, first floor, Bldg. 9704-2, properly filling it out and mailing it to your hospitalization insurance carrier within the appropriate time limit. Travelers' limit is 31 days and the Blue Cross limit is 60 days. If the application is received after these time limits, your child will have to furnish a statement of good health and the insurance carrier may insist on a physical examination at your expense.

The Benefit Plans Office will be glad to provide any necessary information on the procedure required in making such changes.

The Bulletin

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OFFICE
Post Office Box Y
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Bldg. 9704-2 Rooms 263-265
Telephones 7100 - 7109

Many Y-12 Friends Attend Betty Heath Rites Friday

Funeral services were held last Friday afternoon, November 20, at the Beaver Creek Cumberland Presbyterian Church in the Powell section for Betty Heath, one of Y-12's best-known and best-liked women employees. She lost an almost three-year fight against illness on Wednesday, November 18, when she died at Ft. Sanders Presbyterian Hospital in Knoxville. She was traffic clerk in the Cashier and Travel Department.

The last rites were well attended by former friends and associates of Betty Heath, who extended their sincere condolences to survivors.

The former Y-12er was first stricken with her malady in January, 1957, when she had an operation. She rallied and returned to work. In July of this year she was injured in an automobile accident and the injuries apparently brought a return of her illness. For the past several months she had been a patient at Ft. Sanders.

In her position as traffic clerk, she helped many Y-12ers arrange transportation and accommodations on official Company business trips. Her efficiency and affability in her work highly impressed these Y-12ers, as well as many others who knew her.

She was born in Lenoir City, June 11, 1926. She attended Farragut and Powell High Schools and also the Knoxville Business College. After working for two Knoxville insurance companies, she came to work in Y-12 on August 17, 1953. She was a member of Beta Sigma Phi Sorority.

She is survived by her parents, Mr. and Mrs. J. B. Prater, Powell; grandmother, Mrs. A. J. Blackburn, Lenoir City; sisters Mrs. W. N. Arnold, Jr., and Miss Margaret Prater, Powell; Mrs. Fred Satterfield, Sweetwater; and Mrs. C. H. Dalton, Knoxville; a brother, James Prater, Knoxville; and a son, Ronald Blair Heath, of Powell.

National Carbide Names Steiner Vice President

Walter A. Steiner has been appointed vice president-technology of National Carbon Company, a Division of Union Carbide Corporation. The announcement was made by William H. Feathers, Division president. Steiner, who has been vice president in charge of development since 1954, now will be responsible for research and development activities of the Company. He joined National Carbon in 1924.

Rides Wanted, Offered

Ride wanted from vicinity of Cedar Lane, Fountain City, to North or Central Portal, straight day. Helen G. Hann, plant phone 7373, home phone Knoxville MU 7-3163.

Ride wanted from Route No. 3, Kingston, near Greenacres, to Central Portal, straight day. Jessie D. Parker, plant phone 7188, home phone Kingston FR 6-9735.



Yore ol' Colyum Conductor is toird — been arning all day — but extends hopes that all the customers didn't have to catch their Bird of The Day the hard way — like this youngster. So to those who are anticipating the observance of Thanks Day and to those who already have done so — happy wishes for —



SHIFT SUPERINTENDENTS AND UTILITIES

A Shift Superintendent **Ken Bernander** is going back to his old stamping grounds in Mississippi for vacation — will take in the Ole Miss-State Football game.

The Steam Plant's **Scotty Elsbree** is believed to be staying around home while vacationing this week.

That inveterate sports fan, **A. H. Norman**, Utilities, went up to Lexington for the Tennessee-Kentucky grid goings-on last Saturday and plans to watch the Vandy-Vol business this coming Saturday . . . **J. B. Peters** is vacationing in Tyrone, Pa., visiting relatives and hunting . . . **D. G. Watson**, **C. G. Wilson** and **Nick Tronolone** are spending their vacations (?) working (?) around their homes.

ENGINEERING

Civil and Architectural Engineering extends its sympathy to **Robert C. Hopkins**, whose mother died recently . . . **L. H. Boyd** was out for a few days with a sore throat acquired during a recent fishing trip — haven't heard about the fish yet . . . **George Reese** is riding Cloud Nine — he was married last Friday night and is due back this week . . . **Cliff Williams** was called home to Wisconsin several days ago because of the illness of his father — sincere get well wishes go to the elder Williams . . . **George Couch** and **Gus Angele** attended a recent meeting of the American Society of Civil Engineers in Knoxville a week or so ago and met, among other old friends, Lee G. Warren, who headed up the Engineering Division back in the early days of Y-12 . . . Boss Man of the department, **Bill Hopkins**, was a recent vacationer but didn't get any cooperation from the weather.

Mechanical Engineering extends sympathy to **Lettie Ault**, who was a sister-in-law of Damon Nelson, the former Y-12 Guard who succumbed last week . . . The stork left a seven-pound, seven-ounce boy for the **M. E. Clarks** last Friday, making it one boy and one girl in the family . . . **Joe Howell** spent a recent week end with home folks in Gatlinburg . . . The **Wilbur Allins** are hosts this week to her sister and family from Tampa, Fla. . . . **Tommy Swindell** is wearing a broader grin than usual these days — the occasion is the arrival last week of his first grandchild, born to son Tommy 'way up in Detroit, Mich. . . . Best wishes go along with **Don Rose**, transferred to the TW Shop in Mechanical Operations . . . Speaking of transfers, **C. P. Tudor** has moved headquarters from Beta Four to the M.E. section in Bldg. 9215 . . . **Ben Hammer** has announced that he would have all his friends (?) in for a cranberry feast Thanksgiving Day — well, that's one way . . . The **Paul Boyers** are on a deer hunting vacation up near the old homestead in Pottsville, Pa. . . . **Eleanor Bennett** wonders why the car pool composed of Y-12ers **Floyd Shook**, **Paul McRee**, **Pat Hamrick** and **Bob Cantrell** persists in driving on the grassy strip be-

tween the traffic lanes on Lafayette Drive.

INDUSTRIAL RELATIONS

The Boys In Blue and Gray of the Fire and Guard Department welcome Guard **A. T. Barger** back after an extended conflict with the miseries . . . Likewise to Fireman **T. E. Ford**, who wasn't sick quite as long . . . Meanwhile rapid recovery wishes go to Guards **E. McFarland**, **R. L. Byrd** and **W. W. Hall** . . . Among the more or less frozen fans at the Tennessee-Kentucky football frolic last Saturday were Guards **C. R. Lively**, **G. F. Ferguson**, **George McPherson**, **S. L. Ray** and **George McGrath** — at least they had planned it that way earlier in the week . . . It was too cold last week for Capt. **Emmett "Kingfish" Moore** to fish, and he doesn't hunt much — so the last time he was reported seen last week he was reported negotiating with a cooperative bear in the Smokies to share Bruin's quarters until warm weather returns.

FINANCE AND MATERIALS

Taking it easy around his home over near Solway while vacationing this week is **Orel Hartman**, Mail Room.

She went thataway — did **Margaret Parks**, Plant Records, on her vacation.

The warm (she hopes) sunshine of Miami attracted **Frances Patton**, Engineering Records, for her vacation this week.

Congratulations to Proud Pop **Richard Wood**, Reproduction, who greeted a fine seven-ounce, eight-ounce boy to the family November 17 — The boys now rule the roost around the Wood menage by odds of three to one . . . **Pearl Lindsay** is taking it easy this week at home in Lake City.

A stay at home in Oak Ridge and a trip to North Carolina occupied the vacation time of **Noah L. Ensor**, Property, and family . . . **J. D. Housley** spent the last week end in Virginia and Kentucky.

His Crossville home was good enough as a vacationing spot for **E. W. Cook**, Engineering Services.

TECHNICAL

Visiting her folks in Alabama is **Louise Burgess**, Special Testing.

Thanksgiving week vacationers in Radiation Safety include **Mary Anne Wright**, who with hubby **Harlan Wright**, Employment, planned to eat their turkey at home (hold the cranberries, please) . . . **Sewell Brown** and **H. O. Runge** also were prospective stay-at-homers . . . Not for **C. M. "Happy" West** — he's on a very special vacation trip — honeymooning with his bride, the former Miss Evelyn Myers, of Maryville. They were married November 20 and The Bulletin hopes to have a more formal announcement next week.

Production Inspection sends get well wishes to **L. L. "Jack" Matities**, **S. O. McNeely**, **W. J. Mackley** and **R. L. Robertson** . . . The departmental red rug of welcome was rolled out last week to newcomers **Mabry Williford**, **Ray Johnson**, **Ed Fleischman**, **Bob Stephens**, **R. R. Stokes**, **C. C. McMahan**, **A. D. Schulte** and **D. F. Blazier** . . . A shot squirrel is not necessarily a slain squirrel — as **L. K. Dickey** found out the hard way recently. The bushy tail he plunked took his sweet revenge by biting the hand that pulled the trigger to inflict severe lacerations before the rodent finally was subdued.

MAINTENANCE

Research Services is mighty glad that **W. L. Allen** is back at work after being sick much too long . . . Meanwhile get well wishes are extended to **Joe Cavosie** and **E. J. Panter** . . . **H. A. Mayes** is planning to spend his vacation at his home at Dante over in Knox County . . . **Carl Bridges** hoped to attend that football free-

Oak Ridge To Observe Thanksgiving Day With Services At Central Baptist Church

Y-12ers will join other Oak Ridgers and worshippers throughout the nation tomorrow, Thursday, November 26, to give thanks for the blessings that have been bestowed on America since the Pilgrims first observed a Thanksgiving Day back in 1621. In Oak Ridge Community Thanksgiving Day services will be held at 10 a.m. at the Central Baptist Church, 130 Providence Road. Dr. Herbert Hart, pastor of the Kern Memorial Methodist Church, will preach the sermon of the day.

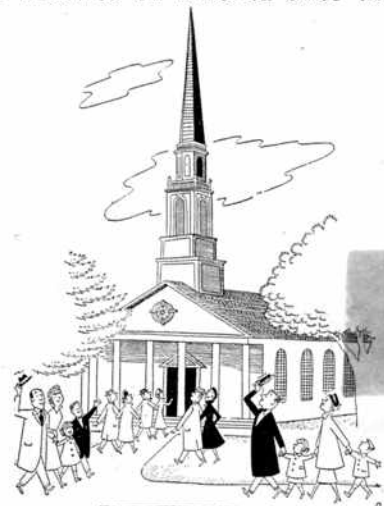
Had Start In 1621

Thanksgiving Day, as every school child knows, had its start in the winter of 1621. The Pilgrims, under leadership of Gov. William Bradford, had experienced fearful hardships after their landing in 1620 at Plymouth Rock, now in Massachusetts. Many of the early settlers died during their first winter in America, but with the aid of friendly Indians, the survivors managed to reap a harvest the following year and Governor Bradford and the Plymouth Council found it fitting to celebrate and give thanks for their good fortune.

However, it has only been within the last century that Thanksgiving Day has won importance as an American holiday. Mrs. Sarah J. Hale, of Boston, editor of a women's magazine there and in Philadelphia, is generally credited with bringing about nationwide observance of the day. She campaigned 30 years for establishment of a national day of Thanksgiving. Finally, in 1863, President Abraham Lincoln issued the first presidential proclamation calling on all Americans to join in giving thanks to God for their many blessings.

Grant's Proclamation Eloquent

Six years later, in 1869, President Ulysses S. Grant issued an eloquent proclamation in thanks



THANKSGIVING

for progress of the nation. It read:

"Abundant crops reward the labors of the husbandman. Commerce and manufacturers have successfully prosecuted their peaceful paths. The mines and forests have yielded liberally. The nation has increased in wealth and strength. Peace has prevailed. Civil and religious liberty are secured to every inhabitant of the land, whose soil is trod by none but freemen. It becomes a people thus favored to make acknowledgment to the Supreme Author, from whom such blessings flow, of their gratitude and their dependence; to render praise and thanksgiving for the same, and to devoutly implore the continuance of God's mercies."

for-all at Lexington, Ky., last week end and then recover at home for the rest of this week . . .

J. L. Eller planned to visit a sister in Chattanooga for a few days, then go rabbit hunting at his farm at Tellico Plains . . . **W. M. Boatman**, **M. Carlton** and **R. J. Malone** didn't leave forwarding addresses before leaving on vacations . . . Neither did the Colyum's agent in the department, **Alice Boxley**, but this corner hopes she enjoys her rest and thanks to **Carl Bridges**, who pinch hit for her last week.

Electrical Maintenance has vacationers well-scattered this week . . . **T. J. Anders** is visiting friends and kin folks in Asheville, N.C. . . . **R. Y. Ditmore** is enjoying the bird hunting up around Ft. Campbell, Ky. . . . **B. M. Cox** went to Virginia for his hunting and visiting . . . **R. C. Hauther** and **J. D. Slaughter** were stay-at-homers . . . Get well wishes go to **L. R. Erwin**, **O. H. Cutshaw**, **D. L. Moore** and **Babs Stooksbury**.

Mechanical Maintenance reports **S. H. Sexton** is the Proud Pop of The Week down there — a daughter, Carrie Lynn, joined the family November 15, weighing six pounds, nine ounces . . . Sympathy is extended **W. D. Belvin**, whose brother died recently in Florida . . . **Frank Booth** and family journeyed down to Bainbridge, Ga., to attend a wedding a few days ago . . . Get well wishes are rushed to the ailing list — **J. D. Hatmaker**, **C. P. Darnell**, **R. J. West**, **E. Mullins**, **J. B. Gray** and **C. M. Smith**.

MECHANICAL OPERATIONS

The Beta Four Heavy Machine Shop Welding and Forming Group reports **M. E. Green** vacationing out in Colorado and New Mexico . . . Condolences are extended **M. H. Golson**, whose grandmother died recently in Houston, Tex. . . . The Press Area of the department sends rapid recovery wishes to **Hubert R. Hickman**, hospitalized in Oak Ridge as result of injuries sustained in a traffic mishap November 6, while on his way to

Continued on Page 4

Y-12 Guards Pall Bearers At Damon Nelson Funeral

With former fellow Y-12 Guards as active and honorary pall bearers, funeral services for Damon Nelson, member of the Guard Department since November 22, 1943, were held last Saturday afternoon at the Calvary Baptist Church in Oak Ridge. Interment was in Anderson Memorial Gardens. He died unexpectedly last Thursday morning at his home, 269 Jefferson Ave., Oak Ridge, after spending several days previously at Oak Ridge Hospital.

The active pall bearers at the last rites for the popular former Y-12er were **A. J. Jeffers**, **R. L. Byrd**, **R. L. Carson**, **W. E. Bruce**, **J. V. Ledbetter** and **M. T. Barker**. All other members of the department were designated as honorary pall bearers.

Surviving are his widow, Mrs. Irene Nelson, and daughter, Darlene. Other survivors are brothers **John W. Nelson**, with the Y-12 Buildings and Grounds Department; and **Willard C. Nelson**, a former lieutenant in the Guard Department; **Walter D. Nelson**, of Maine; and **Robert R. Nelson**, Detroit. Two sisters, Mrs. Edith N. Jackson, Hamilton, Ohio; and Mrs. Gertrude Bennington, Guatemala; and his mother, Mrs. Roberta Goins, also survive.

The former Y-12er was a World War II veteran, serving in the Army from 1937 to 1943.

HARD COAL DWINDLES

The word coal is almost always taken to mean bituminous, or soft coal, as the output of Pennsylvania anthracite, or hard coal, has dwindled to a mere five per cent of the total, says a recent 20th Century Fund report.

Top to 'teenage drivers from the National Safety Council: "Be proud of your driving. Do your part to prove 'teenagers can be the best drivers on the road."

10-TEAM CARBIDE CAGE LOOP OPENS MONDAY

Six Pin Teams Are Bunched In Mixed League Standings

Another topsy-turvy scramble in the standings of the Mixed League of Y-12 men and women bowlers was unfolded last week at the Ark Lanes. When all pins had stopped falling only three points separated the first and sixth place teams. A deadlock existed for the top spot in the circuit as the Pin Plasters popped the Toppers for three points and the previously last place Goofers gobbled the Scrappers

Five Y-12 Bowling Teams Are Entered In State Tourney

Only five Y-12 bowling teams have entered the 14th annual State Bowling Tournament to be held in Oak Ridge, beginning during the Thanksgiving week end. A few individuals have entered singles and doubles competition and other plant keggers probably will compete with Oak Ridge or Knoxville teams in the big event.

The tournament will be staged November 28-29, December 5-6 and 12-13, at the Ark Lanes. Through last week 164 five-man teams from cities throughout the state had entered the competition, in addition to 372 doubles groups and 744 singles.

The Y-12 teams entered and their captains are the Wasps, R. P. Wallace; Markers, J. P. Smith; and Has Beens, Jack McLendon, all of the Classic League; and the Sunflowers, W. B. Stephens; and Engineers, A. E. Bittner; both of the C League.

for four counters. The Cool Cats cooled off the Phantoms by the same margin and the Nip and Tucks relegated the Alley Cats to the league cellar with a similar defeat.

The Cool Cats swept to all team scoring honors with a 634 scratch and 810 handicap game, 1803 scratch and 2331 handicap series. The team was greatly aided by Peggy Hardin's scoring with a 167 scratch game, 463 scratch series and 610 handicap series. I. G. Speas, also of the Cool Cats, posted a 637 handicap series for tops in the men's bracket. Charley Greene, Scrappers, had the best game scores of 191 and 225 while Ray Seivers' 531 scratch series was tops as was Dorothy "Bill" Grizzell's 218 handicap game for the Pin Plasters.

Team	W	L
Toppers	25	19
Pin Plasters	25	19
Scrappers	24	20
Phantoms	23	21
Nip and Tucks	23	21
Cool Cats	22	22
Goofers	18	16
Alley Cats	16	28



Swingsters Swing To Top Of Ladder In Classic League

Leaders Blank Tigers As Sportsmen Blanked By Has Beens Pinmen

The Swingsters twisted the tails of the Tigers for a four-point whitewash victory in the Classic League bowling session last week to take over first place from the Sportsmen, who were whitewashed by the Has Beens. The Rebels routed the Wolves by the same score to tie the Eight Balls for fourth place, the Eight Balls falling before the Playboys for three points. The Bumpers held on to a tie for second place with the Sportsmen by breaking even with the Rippers at two points each. In other matches the Wasps stung the Smelters by three and the All Stars smote the Screwballs by the same tally as did the Cubs to the Markers.

Royce Vanderpool, Bumpers, took most individual scoring honors with a 247 scratch game, boosted to 268 with handicap, and a 675 handicap series. Lloyd Freeman's scratch triple of 621 for the Rebels was high for the night. The Rebels had the top team score of a 1109 handicap game and 3096 series.

Team	W	L
Swingsters	31	17
Sportsmen	30	18
Bumpers	30	18
Eight Balls	28	20
Rebels	28	20
Rippers	26	22
Markers	25	23
All Stars	25	23
Playboys	24	24
Wolves	22	26
Smelters	21	27
Cubs	21	27
Has Beens	21	27
Tigers	19	29
Wasps	18	30
Screwballs	15	33

Four Of Five Top Teams In C Loop Win Decisively

Four of the top five teams in the C League of Y-12 bowlers took decisive victories November 16, with three quintets threatening the lead of the Sunflowers. The Par Busters lowered the boom on Murderer's Row for a four-point whitewash victory to drop the losers from a tie for second place to sixth. Similar wins were turned in by the Alley Cats over the Knot Heads and D Shift over the SPs. The Sunflowers kept on top by taking three from the IBMs and the Big Five remained in contention by handing the Engineers a like defeat. The Chillers blanked the Hookers in the other bout of the night.

D Shift keggers took all team scoring honors with an 889 scratch and 1073 handicap game, 2495 scratch and 3047 handicap series. Haggard helped that team along with a 563 scratch series.



AN EIGHT-POINT, 180-POUND buck, above, was bagged over in Cumberland County recently by Lacie W. Blevins, of the Metallurgical Development Group of Development Operations. Mrs. Blevins is proudly looking over the prize kill after it was brought home.

Beavers' Bush Lead Under Big Threat As Race Tightens

The Balls O' Fire seriously menaced the lead of the Beavers in the Bush League in alley activities of November 16 by slapping the Alley Gators for three points while the loop leaders were being clawed for a four-point whitewash defeat by the Alley Cats. The Hi Balls advanced up the ladder by swallowing the Hot Rodders for four. The Nine Pins took three from the Lucky Five and the Rollniks split even at two points each with the Inspectors.

The Balls O' Fire were tops in most team scoring with a 2352 scratch series following an 844 scratch and 1035 handicap game. The Alley Cats turned in a 2929 handicap series. Individual scoring highs were split four ways. A. E. Smith, Beavers, was tops with a 224 scratch game and the high handicap game was a 253 by H. Dyer, Inspectors. The best scratch series was 537 by Charley Wuest, Inspectors, and Bill Pokela, Rollniks, broke into the act with a 634 handicap series.

Team	W	L
Beavers	28	12
Balls O' Fire	26 1/2	13 1/2
Alley Cats	25 1/2	14 1/2
Hi Balls	22	18
Lucky Five	21 1/2	18 1/2
Inspectors	21	19
Alley Gators	16	24
Nine Pins	16	24
Rollniks	12 1/2	27 1/2
Hot Rodders	11	29

The Alley Cats' Lovegrove took most of the other individual scoring highs with a 212 scratch game, boosted to 256 with handicap, and tied with Speas, Engineers, at 686 handicap series.

Team	W	L
Sunflowers	30	14
Alley Cats	27	17
D Shift	26 1/2	17 1/2
Par Busters	26	18
Big Five	24	20
Murderer's Row	23	21
SPs	21	23
Engineers	20 1/2	23 1/2
IBMs	18	26
Chillers	17	27
Knot Heads	16	28
Hookers	15	29

Y-12 Plant, ORGDP Each Have Five Teams In League

High School Gym Scene Of Openers; Volley Circuit Pending

A speedy 10-team Carbide Basketball League will swing into action next Monday night at the Oak Ridge High School gymnasium. Organization of the loop with five teams each from the Y-12 Plant and the Oak Ridge Gaseous Diffusion Plant was perfected last week.

Demons Defending Champ

The two-plant league idea first was put forward last year and it proved a success. Rivalry between teams of the two Carbide installations was spurred in the eight-team circuit. The championship last year was won by the ORGDP Lab Demons, which won in a playoff with the Reactors of Y-12 after the Y-12 quintet had won first half of the season honors handily.

Y-12 teams in the 1959-1960 Carbide League will be the Reactors, managed by Lew Fitzgerald; Ramblers, Marshall Bidix; Beta Four, John Lewis, Jr.; Hawks, Ken Andrews; and the Atoms, D. W. Daws. All of these teams have been holding workouts and reported ready for action by their pilots.

From ORGDP teams entered again this year are the last year's championship Lab Demons, led by Don Box; All Stars, Leon Cole; D Shift, Jim Hackworth; See Reds, H. Cornett; and Hot Shots, Jim Delker.

Schedules Out This Week

Schedule for the Carbide Basketball League will be distributed to managers of all teams this week.

Meanwhile, plans still were being formulated for a Carbide Volleyball League to get under way as soon as the number of teams to form the loop are determined. Y-12 team has three units ready to go, being the Hunters, managed by W. B. Tyree; Eagles, headed by L. E. Wyatt; and the C Shift Cats, piloted by Gib Hatmaker. Teams from ORGDP and Oak Ridge National Laboratory will round out the circuit.

The volleyball action will open activities on Thursday night, December 3.

Y-12 Riflemen Win Another By Forfeit

The Y-12 Rifle Team took another forfeit victory in the Oak Ridge Sportsmen's Association Winter Rifle League November 16 when the Oak Ridge Gaseous Diffusion Plant could not muster a quorum to fire. In firing for record the Y-12ers posted a scratch score of 1370, boosted to 1447.409 with handicap. Dave Dewalt led the Y-12ers in scratch firing with 285 out of a possible 300, followed by E. B. Davis at 273. In handicap scoring it was Peterson 292.224, Davis 290.352 and A. Blay 298.724.

League standing follows:

Team	W	L
Y-12	8	0
ORNL	6	2
ORGDP	2	6
Independents	0	8

Properly display your badge while inside the plant.



THESE CHARACTERS ARE NOT MEMBERS OF FIDEL CASTRO'S CUBAN army—they are some of the winners of turkeys and hams at the recent B Shift turkey shoot. From left are E. Brody, a visitor from the Oak Ridge Gaseous Diffusion Plant; J. C. Andrews, another visitor; G. L. Edwards, Stores; and Capt. Dave Turner, of the Fire and Guard Department.



Y-12 B SHIFTERS CHECK IN AND REGISTER FOR PARTICIPATION in the shift turkey shoot held recently in the picture at left. After registration and paying their entry



fee the marksmen take their place on the firing line in the picture at right. These competitions have been popular for several years.

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Y-12ers With 15, 10 Years Company Service

Congratulations to the following Y-12 employees who will complete 15 years of Company Service within the next few days. No Y-12ers will observe their 10th employment anniversary within the next week.

15 YEARS

Jodie Brown, Medical, November 28.
John R. Gordon, Mechanical Operations Division, November 29.
John W. Ebert, Jr., Superintendents, November 29.
Homer Jeffers, Research Services, November 29.
Randall B. Amos, Utilities, November 30.
Russell E. Ralston, SS Control, November 30.
Tom McCoy, Buildings and Grounds, December 1.
Rubye P. McCloud, Superintendents, December 2.



Get well wishes are extended the following Y-12 employees who were patients last week in the Oak Ridge Hospital:

F. J. Salts and C. E. Disney, Research Services; J. C. Parker, Product Processing; W. W. Hall,

Early Visit To Safety Lane Urged Of Y-12 Motorists

Y-12ers who have not yet visited the Oak Ridge Safety Lane to have their automobiles given a free safety check are urged to do so as soon as possible. The lane, next to Oak Ridge Motors, is open from noon to 6 p.m., Mondays through Fridays, and from 10 a.m. to 4 p.m. on Saturdays. The inspections will end on Saturday, December 5.

All important mechanical parts of vehicles are inspected, including all lights, tires, brakes, horn, windshield wiper, rearview mirror, steering apparatus and exhaust system. The test requires only about three minutes.

Guard; Edna Stooksbury and D. L. Moore, Electrical Maintenance; N. B. Keplinger, Mechanical Maintenance; J. A. Davis and Roy Turner, Buildings and Grounds; Virginia Newby, Production Control; W. F. Quimby, Sunflower Shop; R. E. Lively and U. M. Oxford, General Machine Shop; J. W. Stevison, Z Area; Charlene Smith, Medical; M. F. Bays, Material Control; R. L. Wilder, Enriched Uranium Recovery; M. C. Davis and Eugene Arnold, Janitors.

CHINA GROWS MOST TEA

China produces more tea than any other country, almost half of all in the world, says a 20th Century Fund report. However, China consumes most of its own tea.

Ridge TSJC Will Present 'The Cutting Edge' Panoramic Exhibit At High School Monday

Importance Of Tools In Space Age Stressed

The parallel development of cutting edges and the civilization of mankind from prehistoric times to the present and the emphasis of cutting edges in keeping the nation ahead in the space age will be stressed in a traveling presentation by the DoAll Co., tool manufacturers, in Oak Ridge at 7:30 o'clock next Monday night, November 30. The presentation is a panorama display of a non-commercial nature staged by C. G. Schelly, director of educational research for the DoAll firm, who accompanies his talk with colored slides.

Public Invited To Attend

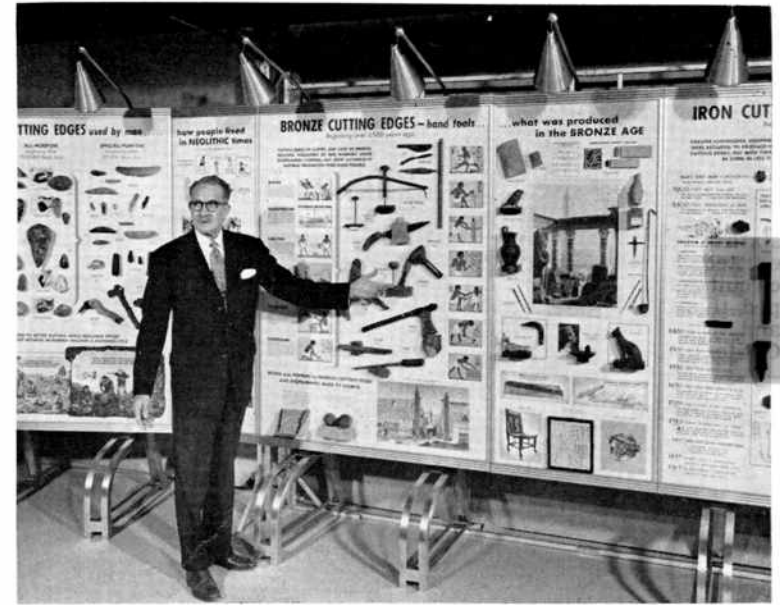
The presentation, entitled "The Cutting Edge," is being offered in Oak Ridge by the Technical Societies Joint Council and will be staged at the Oak Ridge High School. The public is invited—and urged—to attend the interesting display and talk.

Unlike other theories of man's progress, there is nothing abstract about cutting edges, as is explained by the speaker on "The Cutting Edge." For instance—life without peeled potatoes and shaved chins would be unimaginable to the modern American. Even persons not in the industrial field realize that cutting edges lie beneath the trim surface of glass, steel and aluminum of the everyday world of today.

Slides Accompany Talk

The 12 panels of the historical panorama of cutting edges describe the relationship of cutting edges to the present national cultural background and welfare. In addition, Schelly explains the phenomenon that enables metal to cut metal. Exactly what transpires at the cutting edge is described in the colored slides to be shown and explained in terms understandable and interesting to scientist and layman alike.

The back panels of the display are used to illustrate points that do not lend themselves to actual example. These consist of parts produced by virtually all types of



A HISTORICAL PANORAMA ON THE DEVELOPMENT OF CUTTING TOOLS forms the background for C. G. Schelly, director of educational research of the DoAll Co., who will tell the dynamic story of "The Cutting Edge" in Oak Ridge, November 30.

cutting edges. There are no "hands-off" signs and visitors are invited to handle and closely examine the exhibits.

Values Weighed By Time

The importance of the overall subject is stressed by Schelly, who states:

"Thousands of generations of man laid the foundation on which we now exist. It is on this foundation that we must continue to build. We must build with a keen appreciation of the fact that the scale in which all values are weighed is the scale of time. We stand challenged today, as has every leading nation down through history. We can gain only by producing more in a shorter length of time. The only way we can maintain leadership while enjoying comforts and peace of mind is to convert more natural resources into goods and services. This can be accomplished by only one process: by exerting more mental energy to make more effective the expenditure of physical energy. This, in turn, can be accomplished in only one way—the intelligent use of the cutting edge."

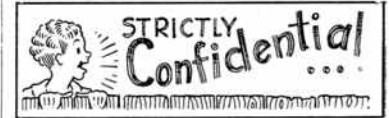
Council Aided By Carbide

The Oak Ridge Technical Societies Joint Council was organized three years ago under the sponsorship of Union Carbide Nuclear Company to provide facilities to improve each group's services to its members. The Council now consists of 15 professional and technical groups in Oak Ridge, including:

The American Chemical Society, American Institute of Chemical Engineers, American Institute of Electrical Engineers, American Nuclear Society, American Society of Civil Engineers, American Society for Metals, American Society of Mechanical Engineers, American Society of Quality Control, American Society of Tool Engineers, American Welding Society, Instrument Society of America, National Association of Corrosion Engineers, Research Society of America, Special Libraries Association and the Society for Non-Destructive Testing.

Metals Company Cooperates In Chromium Tubing Tests

The Union Carbide Metals Co., Division of Union Carbide Corporation, has cooperated with Nuclear Metals, Inc., to produce ductile chromium metal. Dr. James Wong, of Nuclear Metals Inc., produced the first successful extrusion of pure chromium metal tubing. Dr. Wong's experimental apparatus is considered a



Continued from Page 2

work . . . The Assembly Group welcomes newcomer **J. D. Sherrod** and Machining does likewise to **Talmadge Ferguson** and **James K. Bryson**.

The TW Shop is glad to have **L. K. Phillips** back after two weeks of sickness, but has to rush get well wishes to **H. R. Mullins**, **R. K. Carper**, **C. E. Jennings**, **J. H. Householder** and **P. A. Fritis**.

The Sunflower Shop sends get well wishes to **P. S. Greene**, on the sick list for some time . . . **George Wylie** was among the Oak Ridge Wildcat mourners after the Chattanooga Central High School game down there November 13 . . . **J. E. Gilstrap** week ended in the Moccasin Bend City the same time . . . **O. A. Ellis** tried out the deer hunting down around Tellico recently, but no reports as yet . . . **A. L. Hall** was a recent home vacationer . . . No word as to plans was left by vacationers **J. A. Clemens**, **A. C. Gose** and **W. R. Tipton**.

CHEMICAL OPERATIONS

Product Processing sends rapid recovery wishes to **J. C. Parker** in Oak Ridge Hospital . . . Congratulations to **J. O. Stephens** who vacationed last week to get acquainted with his new baby girl.

Colex Operations extends condolences to **John Shepard**, whose father died recently . . . Congratulations to **Max Wallace** and **L. Hamby**, recipients of "big birds" at the D Shift shurkey toot . . . **H. Breazeale** spent his vacation staying around home and **C. J. Marrow** went fishing down in Alabama and Mississippi . . . "Hats off" and "When are we invited to dinner?" greetings to big game hunters **Earl Tweed**, **Ray Ellis**, **W. Ray**, **S. Frost**, **Glen Ballew**, **A. K. Self** and **Jim Disney**, whose freezers are full of deer meat from Central Peninsula . . . Now what's this about **C. C. Dinkins**, who came back with a fish story about the deer that got away?

practical prototype production technique. However, further development will be required to produce ductile chromium in usable quantities. The UCMC provided the laboratory grade chromium powder used in the experiments.

FRENCH OIL IS REFINED

The first oil flowing from wells in the Sahara Desert now is being refined at plants in Marseilles, France.

Application For Tickets

To

Christmas Parties

FOR CHILDREN OF CARBIDE EMPLOYEES

Two To 10 Years Old, Inclusive

MONDAY, DECEMBER 21 & TUESDAY, DECEMBER 22

Employee's Name _____ Badge No. _____

Home Address _____

(PLEASE PRINT—STREET ADDRESS, R.F.D., CITY)

NUMBER OF TICKETS NEEDED FOR CHILDREN _____

NUMBER OF TICKETS NEEDED FOR PARENTS _____

—Check Time and Day Preferred—

OAK RIDGE HIGH SCHOOL

Monday, December 21 10 a.m. _____ 1 p.m. _____ 3 p.m. _____

Tuesday, December 22 10 a.m. _____ 1 p.m. _____ 3 p.m. _____

Gamble Valley School, 11 a.m., Monday, December 21 ONLY _____

Please check first and second choice (write in space "1" or "2") as only a limited number of tickets will be issued for each party. Preference will be given early applicants and if tickets for first choice are exhausted, tickets for second choice will be issued.

Return this form, properly filled out, **immediately** to the **Y-12 Recreation Office**, in **Bldg. 9704-2**, **NOT LATER** than **December 11**. The required number of tickets will then be mailed to parents at their **HOME ADDRESS**.